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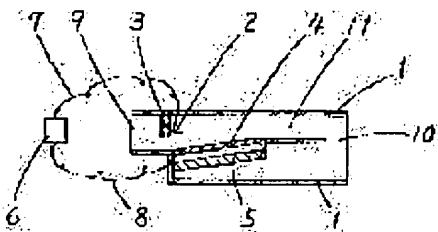
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(54) BLOWER

(57)Abstract:

PURPOSE: To provide a noiseless blower that uses only corona wind by removing ozone generated by a corona discharge.

CONSTITUTION: An acicular cathode 2 supported on a support 3 is installed inside a main body case 1, and an anode 4 and a filter 5 to be located behind the anode 4 are arranged parallel to or at an appropriate angle to the cathode 2. The anode 4 has a number of small air holes and is covered with an insulating material on its cathode side. The exit side of the filter leads to an exhaust hole 10. Application of high voltages to both electrodes causes a corona discharge, and charged particles and ozone ions or the like are drawn toward the anode, lose their charges, and are attracted to the filter for removal. Air having no charge forms ionic wind, which is fed out of the exhaust hole 10 through a bypass 11.



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